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Sequence Listing was accepted.

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Reviewer: Durreshwar Anjum

Timestamp: [year=2009; month=1; day=13; hr=11; min=49; sec=5; ms=273; ]

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Application No: 10563310

Version No: 3.0

**Input Set:****Output Set:****Started:** 2008-12-31 12:59:10.725**Finished:** 2008-12-31 12:59:12.512**Elapsed:** 0 hr(s) 0 min(s) 1 sec(s) 787 ms**Total Warnings:** 79**Total Errors:** 0**No. of SeqIDs Defined:** 79**Actual SeqID Count:** 79

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W 213	Artificial or Unknown found in <213> in SEQ ID (19)
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**Input Set:**

**Output Set:**

**Started:** 2008-12-31 12:59:10.725  
**Finished:** 2008-12-31 12:59:12.512  
**Elapsed:** 0 hr(s) 0 min(s) 1 sec(s) 787 ms  
**Total Warnings:** 79  
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**No. of SeqIDs Defined:** 79  
**Actual SeqID Count:** 79

Error code

Error Description

This error has occurred more than 20 times, will not be displayed

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<110> Carlsson, Jorgen  
 Stahl, Stefan  
 Eriksson, Tove  
 Gunneriusson, Elin  
 Nilsson, Fredrik

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<130> 102821-202

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<141> 2008-12-31

<150> PCT/SE2004/001049

<151> 2004-06-30

<150> SE 0301987-4

<151> 2003-07-04

<150> SE 0400275-4

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<212> PRT

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Leu	His	Leu	Pro	Asn	Leu	Asn	Glu	Glu	Gln	Arg	Asn	Ala	Phe	Ile	Gln
			20					25					30		
Ser	Leu	Lys	Asp	Asp	Pro	Ser	Gln	Ser	Ala	Asn	Leu	Leu	Ala	Glu	Ala
		35					40					45			
Lys	Lys	Leu	Asn	Asp	Ala	Gln	Ala	Pro	Lys						
		50				55									

<210> 2

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<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically Synthesized

<400> 2

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 1           5           10           15
Gln Ala Leu Pro Asn Leu Asn Trp Thr Gln Ser Arg Ala Phe Ile Arg
      20           25           30
Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
      35           40           45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
      50           55
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<210> 3

<211> 58

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically Synthesized

<400> 3

```
Val Asp Asn Lys Phe Asn Lys Glu Pro Lys Thr Ala Tyr Trp Glu Ile
 1           5           10           15
Val Lys Leu Pro Asn Leu Asn Pro Glu Gln Arg Arg Ala Phe Ile Arg
      20           25           30
Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
      35           40           45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
      50           55
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<210> 4

<211> 58

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically Synthesized

<400> 4

```
Val Asp Asn Lys Phe Asn Lys Glu Pro Arg Glu Ala Tyr Trp Glu Ile
 1           5           10           15
Gln Arg Leu Pro Asn Leu Asn Asn Lys Gln Lys Ala Ala Phe Ile Arg
      20           25           30
Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
      35           40           45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
      50           55
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<210> 5

<211> 58

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically Synthesized

<400> 5

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1				5					10					15	
Tyr	Asn	Leu	Pro	Asn	Leu	Asn	Arg	Ala	Gln	Met	Arg	Ala	Phe	Ile	Arg
			20					25					30		
Ser	Leu	Ser	Asp	Asp	Pro	Ser	Gln	Ser	Ala	Asn	Leu	Leu	Ala	Glu	Ala
		35					40					45			
Lys	Lys	Leu	Asn	Asp	Ala	Gln	Ala	Pro	Lys						
		50					55								

<210> 6

<211> 58

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically Synthesized

<400> 6

Val	Asp	Asn	Lys	Phe	Asn	Lys	Glu	Met	Arg	His	Ala	Tyr	Trp	Glu	Ile
1				5					10					15	
Val	Lys	Leu	Pro	Asn	Leu	Asn	Pro	Arg	Gln	Lys	Arg	Ala	Phe	Ile	Arg
			20					25					30		
Ser	Leu	Tyr	Asp	Asp	Pro	Ser	Gln	Ser	Ala	Asn	Leu	Leu	Ala	Glu	Ala
		35					40					45			
Lys	Lys	Leu	Asn	Asp	Ala	Gln	Ala	Pro	Lys						
		50					55								

<210> 7

<211> 58

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically Synthesized

<400> 7

Val	Asp	Asn	Lys	Phe	Asn	Lys	Glu	Met	Arg	Lys	Ala	Tyr	Trp	Glu	Ile
1				5					10					15	
Val	Leu	Leu	Pro	Asn	Leu	Asn	Arg	Arg	Gln	Ser	Arg	Ala	Phe	Ile	Arg
			20					25					30		
Ser	Leu	Tyr	Asp	Asp	Pro	Ser	Gln	Ser	Ala	Asn	Leu	Leu	Ala	Glu	Ala
		35					40					45			
Lys	Lys	Leu	Asn	Asp	Ala	Gln	Ala	Pro	Lys						
		50					55								

<210> 8

<211> 58

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically Synthesized

<400> 8

```
Val Asp Asn Lys Phe Asn Lys Glu Met Arg His Ala Tyr Trp Glu Ile
 1           5           10           15
Ala Thr Leu Pro Asn Leu Asn Asn Val Gln Lys Arg Ala Phe Ile Arg
      20           25           30
Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
      35           40           45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
      50           55
```

<210> 9

<211> 58

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically Synthesized

<400> 9

```
Val Asp Asn Lys Phe Asn Lys Glu Phe Arg Thr Ala Tyr Trp Glu Ile
 1           5           10           15
Val Leu Leu Pro Asn Leu Asn Pro Gly Gln Ile Arg Ala Phe Ile Arg
      20           25           30
Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
      35           40           45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
      50           55
```

<210> 10

<211> 58

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically Synthesized

<400> 10

```
Val Asp Asn Lys Phe Asn Lys Glu Leu Arg Thr Ala Tyr Trp Glu Ile
 1           5           10           15
Val Leu Leu Pro Asn Leu Asn Thr Trp Gln Ile Arg Ala Phe Ile Arg
      20           25           30
Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
      35           40           45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
      50           55
```

<210> 11

<211> 58

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically Synthesized

<400> 11

```
Val Asp Asn Lys Phe Asn Lys Glu Pro Arg Lys Ala Tyr Trp Glu Ile
 1           5           10           15
Ala Val Leu Pro Asn Leu Asn Pro Ala Gln Lys Arg Ala Phe Ile Arg
      20           25           30
Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
      35           40           45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
      50           55
```

<210> 12

<211> 58

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically Synthesized

<400> 12

```
Val Asp Asn Lys Phe Asn Lys Glu Met Arg Asn Ala Tyr Trp Glu Ile
 1           5           10           15
Ala Leu Leu Pro Asn Leu Asn Asn Gln Gln Lys Arg Ala Phe Ile Arg
      20           25           30
Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
      35           40           45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
      50           55
```

<210> 13

<211> 58

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically Synthesized

<400> 13

```
Val Asp Asn Lys Phe Asn Lys Glu Leu Arg Thr Ala Tyr Trp Glu Ile
 1           5           10           15
Val Gly Leu Pro Asn Leu Asn His Phe Gln Val Arg Ala Phe Ile Arg
      20           25           30
Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
      35           40           45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
      50           55
```

<210> 14

<211> 58

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically Synthesized



<400> 14

```
Val Asp Asn Lys Phe Asn Lys Glu Leu Arg Thr Ala Tyr Trp Glu Ile
 1           5           10           15
Val Leu Leu Pro Asn Leu Asn Arg Trp Gln Ile Arg Ala Phe Ile Arg
      20           25           30
Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
      35           40           45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
      50           55
```

<210> 15

<211> 58

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically Synthesized

<400> 15

```
Val Asp Asn Lys Phe Asn Lys Glu Ile Arg Asn Ala Tyr Trp Glu Ile
 1           5           10           15
Ala Leu Leu Pro Asn Leu Asn Asn Met Gln Lys Arg Ala Phe Ile Arg
      20           25           30
Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
      35           40           45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
      50           55
```

<210> 16

<211> 58

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically Synthesized

<400> 16

```
Val Asp Asn Lys Phe Asn Lys Glu Phe Arg Lys Ala Tyr Trp Glu Ile
 1           5           10           15
Val Val Leu Pro Asn Leu Asn Arg Met Gln Ile Arg Ala Phe Ile Arg
      20           25           30
Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
      35           40           45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
      50           55
```

<210> 17

<211> 58

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically Synthesized

<400> 17

```
Val Asp Asn Lys Phe Asn Lys Glu Phe Arg Thr Ala Tyr Trp Glu Ile
 1           5           10           15
Val Leu Leu Pro Asn Leu Asn Arg Glu Gln Gly Arg Ala Phe Ile Arg
      20           25           30
Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
      35           40           45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
      50           55
```

<210> 18

<211> 58

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically Synthesized

<400> 18

```
Val Asp Asn Lys Phe Asn Lys Glu Met Arg Thr Ala Tyr Trp Glu Ile
 1           5           10           15
Ala Thr Leu Pro Asn Leu Asn Asn Lys Gln Ile Arg Ala Phe Ile Arg
      20           25           30
Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
      35           40           45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
      50           55
```

<210> 19

<211> 58

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically Synthesized

<400> 19

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Val Asp Asn Lys Phe Asn Lys Glu Phe Arg Asn Ala Tyr Trp Glu Ile
 1           5           10           15
Val Val Leu Pro Asn Leu Asn Asn Arg Gln Lys Arg Ala Phe Ile Arg
      20           25           30
Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
      35           40           45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
      50           55
```

<210> 20

<211> 58

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically Synthesized

<400> 20

```
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 1           5           10           15
Ala Lys Leu Pro Asn Leu Asn Asn Gly Gln Lys Arg Ala Phe Ile Arg
      20           25           30
Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
      35           40           45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
      50           55
```

<210> 21

<211> 58

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically Synthesized

<400> 21

```
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 1           5           10           15
Ala Leu Leu Pro Asn Leu Asn His Ser Gln Thr Arg Ala Phe Ile Arg
      20           25           30
Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
      35           40           45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
      50           55
```

<210> 22

<211> 58

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically Synthesized

<400> 22

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Val Asp Asn Lys Phe Asn Lys Glu Pro Arg His Ala Tyr Trp Glu Ile
 1           5           10           15
Val Lys Leu Pro Asn Leu Asn Ser Leu Gln Lys Arg Ala Phe Ile Arg
      20           25           30
Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
      35           40           45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
      50           55
```

<210> 23

<211> 58

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically Synthesized

<400> 23

```
Val Asp Asn Lys Phe Asn Lys Glu Leu Arg Thr Ala Tyr Trp Glu Ile
 1           5           10           15
Val Gly Leu Pro Asn Leu Asn Ser Arg Gln Ser Arg Ala Phe Ile Arg
      20           25           30
Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
      35           40           45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
      50           55
```

<210> 24

<211> 58

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically Synthesized

<400> 24

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 1           5           10           15
Ala Gly Leu Pro Asn Leu Asn Pro Lys Gln Lys Arg Ala Phe Ile Arg
      20           25           30
Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
      35           40           45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
      50           55
```

<210> 25

<211> 58

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically Synthesized

<400> 25

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Val Asp Asn Lys Phe Asn Lys Glu Met Arg Lys Ala Tyr Trp Glu Ile
 1           5           10           15
Thr Gln Leu Pro Asn Leu Asn Thr Arg Gln Thr Arg Ala Phe Ile Arg
      20           25           30
Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
      35           40           45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
      50           55
```

<210> 26

<211> 58

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically Synthesized

<400> 26

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 1           5           10           15
Val Leu Leu Pro Asn Leu Asn Trp Glu Gln Asn Arg Ala Phe Ile Arg
      20           25           30
Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
      35           40           45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
      50           55
```

<210> 27

<211> 58

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically Synthesized

<400> 27

```
Val Asp Asn Lys Phe Asn Lys Glu Phe Arg Lys Ala Tyr Trp Glu Ile
 1           5           10           15
Thr Gln Leu Pro Asn Leu Asn Arg Glu Gln Asn Arg Ala Phe Ile Arg
      20           25           30
Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
      35           40           45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
      50           55
```

<210> 28

<211> 58

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically Synthesized

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 1           5           10           15
Ala Thr Leu Pro Asn Leu Asn Thr Asn Gln Ser Arg Ala Phe Ile Arg
      20           25           30
Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
      35           40           45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
      50           55
```

<210> 29

<211> 58

<212> PRT

<213> Artificial Sequence

<220>

<223> Chemically Synthesized

<400> 29

```
Val Asp Asn Lys Phe Asn Lys Glu Met Arg Asn Ala Tyr Trp Glu Ile
 1           5           10           15
Val Gly Leu Pro Asn Leu Asn Arg Trp Gln Ser Arg Ala Phe Ile Arg
      20           25           30
Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
    35           40           45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
    50           55
```

<210> 30

<211> 58

<212> PRT

<213> Artificial Sequence

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<223> Chemically Synthesized

<400> 30

```
Val Asp Asn Lys Phe Asn Lys Glu Leu Arg Asn Ala Tyr Trp Glu Ile
 1           5           10           15
Val Lys Leu Pro Asn Leu Asn Pro Trp Gln His Arg Ala Phe Ile Arg
```